

Title (en)  
Method and apparatus for transferring a substrate carrier

Title (de)  
Verfahren und Vorrichtung zum Transfer eines Substratbehälters

Title (fr)  
Procédé et dispositif pour le transfert de conteneur de substrat

Publication  
**EP 1569261 A3 20060405 (EN)**

Application  
**EP 05004335 A 20050228**

Priority  
US 54857404 P 20040228

Abstract (en)  
[origin: EP1569261A2] In a first aspect, a first method is provided for electronic device manufacturing. The first method includes the steps of (1) receiving a request to transfer a carrier from a first substrate loading station to a second substrate loading station of an electronic device manufacturing facility including a plurality of substrate loading stations (115; 511-515), wherein the facility further includes a plurality of carrier supports (110; 503) coupled to a conveyor system (101; 501) adapted to move the carrier within the facility; (2) assigning one of the plurality of carrier supports to transfer the carrier from the first substrate loading station to the second substrate loading station such that at least one of a time required for the transfer is reduced and balance of the conveyor system is maintained; (3) moving the carrier from the first substrate loading station; and (4) moving the carrier to the second substrate loading station. Numerous other aspects are provided.

IPC 8 full level  
**H01L 21/00** (2006.01); **B24B 5/00** (2006.01); **B65G 49/04** (2006.01); **G05B 19/00** (2006.01); **H01L 21/677** (2006.01)

CPC (source: EP KR US)  
**B05C 3/109** (2013.01 - KR); **B05C 11/1002** (2013.01 - KR); **H01L 21/67276** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (publication)  
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**EP 05004335 A 20050228**; CN 200510091397 A 20050228; CN 201210038444 A 20050228; JP 2005052468 A 20050228; JP 2011005341 A 20110113; KR 20050016834 A 20050228; TW 94105944 A 20050225; US 24400408 A 20081002; US 6746005 A 20050225; US 83816307 A 20070813